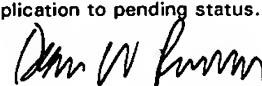


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| FORM PTO-1390<br>(REV. 1-98)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |  | U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE |  | ATTORNEY'S DOCKET NUMBER<br>41577/266329                   |  |
| <b>TRANSMITTAL LETTER TO THE UNITED STATES<br/>DESIGNATED/ELECTED OFFICE (DO/EO/US)<br/>CONCERNING A FILING UNDER 35 U.S.C. 371</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |  |                                                         |  | U.S. APPLICATION NO. (If known, see 37 CFR 1.5)<br>unknown |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |  |                                                         |  | 10/009292                                                  |  |
| INTERNATIONAL APPLICATION NO.<br>PCT/GB00/01771                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |  | INTERNATIONAL FILING DATE<br>09 May 1999 (09.05.99)     |  | PRIORITY DATE CLAIMED<br>13 May 2000 (13.05.00)            |  |
| TITLE OF INVENTION<br>CELL ASSAY, METHOD AND REAGENTS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |  |                                                         |  |                                                            |  |
| APPLICANT(S) FOR DO/EO/US<br>SQUIRRELL, David James; MURPHY, Melenie Jane; PRICE, Rachel Louise                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |  |                                                         |  |                                                            |  |
| <p>Applicants herewith submit to the United States Designated/Elected Office (DO/EO/US) the following items and other information:</p> <ol style="list-style-type: none"> <li><input checked="" type="checkbox"/> This is a FIRST submission of items concerning a filing under 35 U.S.C. 371.</li> <li><input type="checkbox"/> This is a SECOND or SUBSEQUENT submission of items concerning a filing under 35 U.S.C. 371.</li> <li><input type="checkbox"/> This express request to begin national examination procedures (35 U.S.C. 371(f)) at any time rather than delay examination until the expiration of the applicable time limit set in 35 U.S.C. 37 (b) and PCT Articles 22 and 39(1).</li> <li><input checked="" type="checkbox"/> A proper Demand for International Preliminary Examination was made by the 19th month from the earliest claimed priority date.</li> <li><input checked="" type="checkbox"/> A copy of the International Application as published (35 U.S.C. 371(c)(2))             <ol style="list-style-type: none"> <li><input checked="" type="checkbox"/> is transmitted herewith (required only if not transmitted by the International Bureau).</li> <li><input type="checkbox"/> has been transmitted by the International Bureau.</li> <li><input type="checkbox"/> is not required, as the application was filed in the United States Receiving Office (RO/US).</li> </ol> </li> <li><input type="checkbox"/> A translation of the published International Application into English (35 U.S.C. 371(c)(2)).</li> <li><input checked="" type="checkbox"/> Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3))             <ol style="list-style-type: none"> <li><input type="checkbox"/> are transmitted herewith (required only if not transmitted by the International Bureau).</li> <li><input type="checkbox"/> have been transmitted by the International Bureau.</li> <li><input type="checkbox"/> have not been made; however, the time limit for making such amendments has NOT expired.</li> <li><input checked="" type="checkbox"/> have not been made and will not be made.</li> </ol> </li> <li><input type="checkbox"/> A translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371 (c)(3)).</li> <li><input checked="" type="checkbox"/> An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)).</li> <li><input type="checkbox"/> A translation of the annexes of the International Preliminary Examination Report under PCT Article 36</li> <li><input type="checkbox"/> An Information Disclosure Statement under 37 CFR 1.197 and 1.98</li> <li><input checked="" type="checkbox"/> An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.</li> <li><input checked="" type="checkbox"/> A FIRST preliminary amendment.             <input type="checkbox"/> A SECOND or SUBSEQUENT preliminary amendment.</li> <li><input type="checkbox"/> A substitute specification.</li> <li><input type="checkbox"/> A change of power of attorney and/or address letter.</li> <li><input checked="" type="checkbox"/> Other items or information:             <ol style="list-style-type: none"> <li>Certification Under 37 CFR 1.10</li> </ol> <p>I hereby certify that this document is being mailed to Box PCT, Commissioner for Patents, Washington, D.C. 20231, via "Express Mail Post Office to Addressee" on this 13th day of November, 2001, Express Mail Label No. EL209600033US</p> <p><i>Angela M. Rossi</i> Angela M. Rossi</p> <ol style="list-style-type: none"> <li>Version with markings to show changes made</li> <li>International Preliminary Examination Report with amended pages 14-16 of claims</li> </ol> </li> </ol> |  |                                                         |  |                                                            |  |

10/009292

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|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|-------------------------------------------------|------------|------------------------------------------|----|
| U.S. APPLICATION NO. (if known, see 37 CFR 1.5)<br>unknown                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |              | INTERNATIONAL APPLICATION NO.<br>PCT/GB00/01771 |            | ATTORNEY'S DOCKET NUMBER<br>41577/266329 |    |
| 17. <input checked="" type="checkbox"/> The following fees are submitted                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |              |                                                 |            | CALCULATIONS PTO USE ONLY                |    |
| BASIC NATIONAL FEE (37 CFR 1.492(a)(1)-(5)):                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |              |                                                 |            |                                          |    |
| Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO                                                                                                                                                                                                                                                                                                                                                                                                                                                        |              |                                                 |            | \$1,040.00                               |    |
| International preliminary examination fee (37 CFR 1.482) not paid to USPTO but International Search Report prepared by the EPO or JPO                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |              |                                                 |            | \$890.00                                 |    |
| International preliminary examination fee (37 CFR 1.482) not paid to USPTO but international search fee (37 CFR 1.445(a)(2)) paid to USPTO                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |              |                                                 |            | \$740.00                                 |    |
| International preliminary examination fee (37 CFR 1.482) paid to USPTO but all claims did not satisfy provisions of PCT Article 33(1)-(4)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |              |                                                 |            | \$710.00                                 |    |
| International preliminary examination fee (37 CFR 1.482) paid to USPTO and all claims satisfied provisions of PCT Article 33(1)-(4)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |              |                                                 |            | \$100.00                                 |    |
| ENTER APPROPRIATE BASIC FEE AMOUNT =                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |              |                                                 |            | \$890.00                                 |    |
| Surcharge of \$130.00 for furnishing the oath or declaration later than <input type="checkbox"/> 20 <input checked="" type="checkbox"/> 30 months from the earliest claimed priority date (37 CFR 1.492(e)).                                                                                                                                                                                                                                                                                                                                                                                                                                           |              |                                                 |            | \$ .00                                   |    |
| CLAIMS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | NUMBER FILED | NUMBER EXTRA                                    | RATE       | \$                                       |    |
| Total claims                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 22           | 02                                              | X \$18.00  | \$36.00                                  |    |
| Independent claims                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 03           | 00                                              | X \$84.00  | \$ .00                                   |    |
| MULTIPLE DEPENDENT CLAIM(S) (if applicable)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |              |                                                 | + \$280.00 | \$ .00                                   |    |
| TOTAL OF ABOVE CALCULATIONS =                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |              |                                                 |            | \$926.00                                 |    |
| Reduction of 1/2 for filing by small entity, if applicable.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |              |                                                 |            | \$ .00                                   |    |
| SUBTOTAL =                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |              |                                                 |            | \$926.00                                 |    |
| Processing fee of \$130.00 for furnishing the English translation later than <input type="checkbox"/> 20 <input type="checkbox"/> 30 months from the earliest claimed priority date (37 CFR 1.492(f)).                                                                                                                                                                                                                                                                                                                                                                                                                                                 |              |                                                 |            | \$ .00                                   |    |
| TOTAL NATIONAL FEE =                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |              |                                                 |            | \$926.00                                 |    |
| Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40 per property                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |              |                                                 |            | \$40.00                                  |    |
| TOTAL FEES ENCLOSED =                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |              |                                                 |            | \$966.00                                 |    |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |              |                                                 |            | Amount to be refunded:                   | \$ |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |              |                                                 |            | charged:                                 | \$ |
| <p>a. <input checked="" type="checkbox"/> Checks in the amounts of \$926.00 and \$40.00 are enclosed.</p> <p>b. <input type="checkbox"/> Please charge my Deposit Account No. 11-0855 in the amount of \$ _____ to cover the above fees. A duplicate copy of this sheet is enclosed.</p> <p>c. <input checked="" type="checkbox"/> The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 11-0855.</p>                                                                                                                                                            |              |                                                 |            |                                          |    |
| <p>NOTE: Where an appropriate time limit under 37 CFR 1.494 or 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the application to pending status.</p> <p>Customer No. 23370</p> <p>SEND ALL CORRESPONDENCE TO:</p> <p>John S. Pratt, Esq.<br/>KILPATRICK STOCKTON LLP<br/>1100 Peachtree Street, Suite 2800<br/>Atlanta, Georgia 30309-4530</p> <p style="text-align: right;"> <br/>             SIGNATURE<br/>             Name: Dean W. Russell<br/>             Registration No. 33,452         </p> |              |                                                 |            |                                          |    |